

**AMENDMENTS TO THE CLAIMS**

1. (currently amended) Peptide corresponding to the formula (I)

W-Lys-Asp-Val-Z (I) (SEQ ID NO. 1-2)

or its peptide conjugate corresponding to the formula (II)

A-W-Lys-Asp-Val-Z (II) (SEQ ID NO. 3-4)

in which

A represents the radical corresponding to

- a monocarboxylic acid of general formula (III)

HOOC-R (III)

in which

R represents a C1-C24 aliphatic radical, linear or branched, possibly

substituted by a hydroxy group, capable of including one or more unsaturations,  
~~advantageously from 1 to 6 unsaturations,~~

- lipoic acid or its reduced form, dihydrolipoic acid, N-lipoyl-lysine,  
or retinoic acid,

and W represents

Glu-Gln-Arg, Arg-Lys, Arg-Lys-Asp, Arg or a bond,

when Z represents

Tyr-Val-Gln-Leu-Tyr-NH<sub>2</sub>, Leu-DOPA, DOPA-NH<sub>2</sub>, or

HomoPhe-NH<sub>2</sub>,

or W represents

Gly-Gln-Gln or Glu-Gln,

when Z represents

Tyr-Val-Gln-Leu-Tyr-NH<sub>2</sub>, Leu-DOPA, Val-Tyr-OH, Val-Tyr-NH<sub>2</sub>,

Tyr-NH<sub>2</sub>, Tyr-OH, DOPA-NH<sub>2</sub>, or HomoPhe-NH<sub>2</sub>,

in the form of enantiomers or diastereomers, as well as their mixtures,

including racemic mixtures, the peptide of formula (I) and the peptide

conjugate of formula (II) which can be present in the form of complexes

with zinc.

2. (currently amended) Peptide or peptide conjugate according to

claim 1, wherein the acid of general formula (III) is an omega-3 acid

chosen among  $\alpha$ -linolenic acid, cervonic acid, timnodonic acid, and pinolenic acid, or an aliphatic C1-C24 radical chosen among acetic acid, myristic acid, palmitic acid hydroxydecenoic and decenoic acids, ~~and in particular, trans 10-hydroxy  $\Delta$ 2-decenoic acid and trans exo-9-decene-2-~~ ~~oic acid~~, or an acid chosen among lipoic acid or its reduced form, dihydrolipoic acid, N-lipoyl-lysine, or retinoic acid.

3. (currently amended) Peptide or conjugate according to ~~claim 1~~ ~~or~~ claim 2, wherein A is selected among lipoic acid and acetic acid.

4. (currently amended) Peptide conjugate according to ~~one of the claims 1 to 3~~ claim 1, wherein it is selected among

- 1- A-Arg-Lys-Asp-Val-DHomoPhe-NH2
- 2- A-Arg-Lys-Asp-Val-HomoPhe-NH2 (SEQ ID NO. 5)
- 3- A-Lys-Asp-Val-DOPA-NH2 (SEQ ID NO. 6)
- 4- A-DLys-Asp-Val-DOPA-NH2

5- A-Arg-Lys-Asp-Val-DOPA-NH2 (SEQ ID NO. 7)

A being an acid of general formula (III) such as defined in ~~one of the claims 1 to 3~~ claim 1.

5. (currently amended) Cosmetic or pharmaceutical compound

wherein it contains a peptide or a conjugate according to ~~one of the claims 1 to 4~~ claim 1.

6. (original) Cosmetic or dermatological compound according to

claim 5, wherein it is intended for topical application.

7. (canceled)

8. (currently amended) The method of preventive and curative treatment of alopecia comprising the administration of an effective amount

of a peptide or peptide conjugate according to one of the claims 1 to 4

claim 1 for use as a medicine intended for the preventive and curative

~~treatment of alopecia to a patient in need thereof.~~

9. (canceled)

10. (canceled)

11. (currently amended) Cosmetic compound according to claim 5

~~10, wherein it contains in addition a compound that improves hair growth, selected among minoxidil, nicotinic acid esters, anti-inflammatory agents, retinoic acid or its derivatives, retinol, or 5 $\alpha$ -reductase inhibitors.~~

12. (currently amended) Cosmetic compound according to claim 5

~~10, wherein it contains in addition a peptide corresponding to the general formula (I)~~

X-Gly-His-Lys-Y                    (I) (SEQ ID NO. 8-9)

or its conjugate corresponding to the general formula (II)

A-X-Gly-His-Lys-Y (II) (SEQ ID NO. 10-11)

in which

A is such as defined in ~~one of the claims 1 to 3~~ claim 1,

X represents a chain of 1 to 3 Lys residues, possibly methylated or, in

the case of the formula (II), a bond,

Y represents an -OH or -NH<sub>2</sub> group,

or A-X represents a hydrogen atom,

in the form of enantiomers of diastereomers, as well as their mixtures,

including racemic mixtures and complexes with zinc which can be formed

with these peptides or peptide conjugates.

13. (currently amended) Cosmetic compound according to ~~one of the claims 10 to 12~~ claim 5, wherein it contains a UVB filter chosen among:

P-aminobenzoic acid or PABA and its esters such as Ethylhexyl dimethyl

~~PABA or PEG-25 PABA~~; the cinnamates such as Ethylhexyl

~~methoxycinnamate, Isoamyl p-methoxycinnamate, Octocrylene; the~~

salicylates such as ~~Hemosalate, Ethylhexyl salicylate;~~ the benzimidazoles such as ~~Phenylbenzimidazole sulfonic acid;~~ the benzylidene camphor derivatives such as ~~4-Methylbenzylidene camphor, Benzylidene camphor, Camphor benzalkonium methosulfate, and Polyacrylamidomethyl benzylidene camphor;~~ and the triazines such as ~~Ethylhexyl triazone and Diethylhexyl butamido triazone.~~

14. (currently amended) Cosmetic treatment method to combat hair loss wherein it includes the application on the scalp of a patient in need thereof of a cosmetic compound according to ~~one of the claims 10 to 13~~ claim 5.

15. (currently amended) Food supplement wherein it contains a peptide or a peptide conjugate according to ~~one of the claims 1 to 4~~ claim 1, as well as, possibly, a compound that improves hair growth such as defined in claims 11 or 12.

16. (currently amended) Cosmetic treatment method to combat hair loss wherein it includes the administration via the oral route to a patient in need thereof of a food supplement that includes a peptide or a peptide conjugate according to ~~one of the claims 1 to 4~~ claim 1, as well as, possibly, a compound that improves hair growth such as defined in claims 11 or 12.